Software Quality Assurance Specialist

FLYHT designs and develops products and services for the international aerospace industry. The company’s patented technologies enhance safety, efficiency and profitability by providing real-time data communications to airline customers worldwide. FLYHT is based in Calgary.

The Software Quality Assurance Specialist is responsible for ensuring quality within avionics products through the development and execution of software test plans by way of verification procedures based upon software and system specifications.

Duties and Responsibilities:

- Design test plans, scenarios, scripts, or procedures.
- Test system modifications to prepare for implementation.
- Develop testing programs that address areas such as database impacts, software scenarios, regression testing, negative testing, error or bug retests, or usability.
- Document software defects, using a bug tracking system and report defects to software developers and project managers.
- Identify, analyze, and document problems with program function, output, online screen, or content.
- Monitor bug resolution efforts and track successes.
- Create or maintain databases of known test defects.
- Plan test schedules or strategies in accordance with project scope or delivery dates.
- Participate in product design reviews, providing input on functional requirements, product designs, schedules, or potential problems.
- Review software documentation to ensure technical accuracy, compliance, or completeness, or to mitigate risks.
- Advise, mentor, train or assist developers at other skill levels as needed to ensure timely releases of high quality code.
- Achieve a service-focused culture with emphasis on delivering on-time, high-quality products and services to internal and external customers.
- Other duties as assigned.
Education & Experience:
  o Bachelor’s Degree in Computer Engineering or equivalent technical Degree.
  o 10 years of software engineering experience with at least 5 years of QA management experience.

Knowledge, Skills & Abilities:
  o Excellent analytical skills,
  o Ability to design, write, test and document efficient testing solutions to meet customer needs.
  o Ability to change process execution during product line testing.
  o Knowledge of testing tools, frameworks and automation.
  o Ability to manage multiple projects and adapt to change priorities.
  o Ability to thrive in a fast-paced, team-oriented work environment.
  o High level of initiative with ability to self-manage.
  o Knowledge of the principles, practices and procedures of quality assurance testing and the ability to apply knowledge and skills to a range of professional assignments including the most difficult and complex.
  o Excellent written and verbal communications skills.
  o Prior software quality assurance experience in a product development environment.
  o Experience with AS9100/9115 requirements.
  o Knowledge of C, Java, Python and other common languages is strongly preferred.
  o Knowledge of RTCA/ DO-160, DO-178, DO-254 requirements.
  o Expertise with: feature testing, system testing, regression testing, automation and interoperability testing.